PATENT COOPERATION TREATY PCT

INTERNATIONALSEARCHREPORT

(PCT Article 18 and Rules 43 and 44)



Applicant's or agent's file reference 65095	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.					
International application No. PCT/JP2005/006581	International filing date(day/mod						
Applicant MATSUSHITA ELECTRIC WORKS, LTD.							
This international search report has been pute Article 18. A copy is being transmitted This international search report consists of the search report has been pute to the search report to the search report consists of the search report consists	to the International Bureau.	hing Authority and is transmitted to the applicant according d in this report.					
language in which it was filed, ur	nless otherwise indicated under thing was carried out on the basis of a	d out on the basis of the international application in the is item. translation of the international application furnished to					
b. With regard to any nucleotic 2. Certain claims were found		disclosed in the international application, see Box No. I.					
3. We unity of invention is lacking							
4. With regard to the title,							
the text is approved as sub-	mitted by the applicant. Ed by this Authority to read as f	- N					
, die text has teen establish	ac by this realismy to read as i						
5. With regard to the abstract,							
the text is approved as submit	itted by the applicant.						
		his Authority as it appears in Box No. IV. The applicant actional search report, submit comments to this Authority.					
6. With regard to the drawings,							
a. the figure of the drawings to be published with the abstract is Figure No1A							
<u> </u>	hority, because the applicant failed hority, because this figure better o						

INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/006581

Box No.	Il Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This inte	mational search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. 「	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. 厂	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. 「	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No.	. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
The 2003 nove The	emational Searching Authority found multiple inventions in this international application, as follows: c common technical feature of claims 1-18 is described in JP 3-188296 A(MITSUBISHI ELECTRONIC), 2003.07.04 and does not have elty. c remaining claims 2-18 are not so linked as to form a single general entive concept for the following reasons:
Cla Cla	nim 2 is concerned with material of members. Aim 3 is concerned with hermetic sealing. Aims 4-6,15-17 are concerned with electrical connections. Aims 7-14,18 are concerned with the location of IC.
1. 〒	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims,
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. 「	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. 1	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remar	k on Protest The additional search fees were accompanied by the applicant's protest. ▼ No protest accompanied the payment of additional search fees.

INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/006581

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl. HOIL23/06, GOIP9/04, HOIL23/02, 29/84

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.CL, HO1L23/06, G01P9/04, H01L23/02, 29/84

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Published examined utility model applications of Japan 1922-1994 Published unexamined utility model applications of Japan 1971-2005 Registered utility model specifications of Japan 1962-2005 Published registered utility model applications of Japan 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Х	JP 2003-188296 A(MITSUBISHI ELECTRONIC), 2003.07.04, [0017]-[0019], Fig.2	1-3,9,10, 12-14,18		
Y	& US 2003/0113982 A1	4-8,11,16,17		
Y	JP 5-223842 A(HITACHI LTD.), 1993.09.03, [0037]-[0040], Fig.9(No Family)	4,5,15,16		
Y	/JP 2001-144117 A(TEXAS INSTRUMENTS),2001.05.25, [0011]-[0013], Fig.1 & US 2002/0179986 A1	6,17		
Υ	JP 8-32090 A (MITSUBISHI ELECTRONIC), 1996.02.02, [0077]-[0078], Fig.3(No Family)	7,8		
У	JP 8-78601 A(SANYO ELECTRIC), 1996.03.22, [0013]-[0015], Fig.1,2(No Family)	11		

P	Further documents are listed in the continuation of Box C.	☐ See patent family annex.		
* "A"	Special categories of cited documents: document defining the general state of the art which is n considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
 "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 		be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
		be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
Date	of the actual completion of the international search	Date of mailing of the international search report		
22.06.2005		12.07.2005		
Name and mailing address of the ISA/JP		Authorized officer 4R 3031		
Japan Patent Office		Kenichiro Hashimoto		
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Telephone No. +81-3-3581-1101 Ext. 3471		

INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/006581

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No.		
PΧ	JP 2004-209585 A(SHINKO ELECTRIC),200 [0055]-[0057], Fig.3 & EP 1433742 A2	4.07.29,	1-4,8,15		
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